

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date: 08.01.07	Job No.: 00206	ADR Yes/No: N	ADR Date:	ECN #:	1100P
Product No.: D412-664		Created By: <i>AP</i>	Approved By: <i>MP</i>		
Product Name: Low Gear Crosstubes		Checked By: <i>AC</i>		General Manager Approval:	

Distribution	Reqd	Resp	Received	Distribution	Reqd	Resp	Received
Production Manager	Y	LL		Customer Technical Support	N		
Production Engineering Coord	Y	EC/DD	<i>AP 08/01/08</i>	Marketing	N		
Director Quality Assurance	Y	SS	<i>AP 08.01.08</i>				
Customer Order Processing	N						

Reason for Change:

- Releasing 205/412 low gear xtube dwgs so manufacturing can begin initial production

Documents Affected:

Release:

IIN-D212-664 Rev.E, Preliminary Issue 08.01.07

D3659 Rev. A, Preliminary Issue dated 08.01.07

D212-664-147 Rev. A, Preliminary Issue dated 08.01.07

D3660 Rev. A, Preliminary Issue dated 08.01.07

D212-664-247 Rev. A, Preliminary Issue dated 08.01.07

D412-664-249 Rev. A, Preliminary Issue dated 08.01.07

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings Under Review	N			
2	Update Blue/Pink/DSI Folder and Electronic Files	N			
3	Update D-Part/M-Drawing/DSI/DEO Master Binders	N			
4	Update Grey Project Binder	N			
5	Move Electronic Files	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Create/Update Change Record Form	N			
9	Create/Update PPP's	N			
10	Update Controlled PDF Files	N			
11	Notify TC/FAA of Change	N			
12	Update QSI 021 and/or STC Approval List	N			
13	Update Product Development Summary	N			
14	Update Accpac Database	Y	KJ	Verify p/n's in accpac (-107/-207/-209)	<i>08.01.08</i>
15	Update Access (ARC) Database	N			
16	Update/Verify ARC	N			
17	Update Paperwork Kits in Production	N			
18	Update Qpulse/Laminated Dwgs	N			
19	Update Product Compatability Matrix	N			
20	Create Eurocopter Form (FEE)	N			
21					

#	Production Actions	Reqd	Resp	Notes	Complete
22	Create/Update Coss IPP/BOM	Y	EC/DD	As req'd	
23	Update FAI Sheets	Y	EC/DD	As req'd	
24	Create/Update CNC Programs	Y	EC/DD	Should already be created	<i>08.01.08</i>
25	Create/Update Tooling	Y	EC/DD	As req'd	
26	Red Tag Stock (Specify)	N			
27	Rework/Scrap Current Production and/or Stock	N			
28	Update Paperwork Kits in Stock	N			
29	Create/Update MPP	N			
30					

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	N			
32	Notify Eurocopter France	N			
33					

Description / Action:

- The associated dwgs have previously been released under preliminary issue on ECN 1081P.
- These xtubes are not yet approved. Dwgs being released to allow for initial production, the kits will be CHG 001
- Tooling may need to be created for riveting of cuff(s)
- xtube w/o's status should be "under review", all issued w/o's must be stamped under positive recall

5.2 STANDARD GEAR CROSSTUBES

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08.01.07

Item	-107	-207	-209	Part Number	Description
	X			D212-664-107	CROSSTUBE INSTALLATION, 204/205/210/212/214/412 STANDARD FWD
		X		D212-664-207	CROSSTUBE INSTALLATION, 204/205/210/212/214 STANDARD AFT
			X	D412-664-209	CROSSTUBE INSTALLATION, 412 STANDARD AFT
6	1			D212-664-147	CROSSTUBE ASSEMBLY, 204/205/210/212/214/412 STANDARD FWD
7		1		D212-664-247	CROSSTUBE ASSEMBLY, 204/205/210/212/214/412 STANDARD AFT
8			1	D412-664-249	CROSSTUBE ASSEMBLY, 412 STANDARD AFT
10	2			* D2893-1	SUPPORT
11	4			* D3595-063-450	RUBBER CUSHION
12	4			* MS21920-25	CLAMP (OR MS21042-26)
13	4			AN6-35A	BOLT
14	4			AN6-36A	BOLT
15	6			MS21042L6	NUT (OR MS21042-6)
16	18			AN960JD616	WASHER
20		2		* D2940-1	SUPPORT
21		4		* D3595-063-530	RUBBER CUSHION
22		4		* MS21920-28	CLAMP (OR MS21042-30)
23		4		AN6-40A	BOLT
24		2		AN6-41A	BOLT
25		6		MS21042L6	NUT (OR MS21042-6)
26		18		AN960JD616	WASHER
30			1	* D2896-1	SUPPORT
31			2	* D2856-600-1009	ABRASION STRIP
32			2	* D3595-063-570	RUBBER CUSHION
33			4	* MS21920-28	CLAMP
34			2	* MS21920-30	CLAMP (OR MS21042-32)
35			4	AN6-40A	BOLT
36			2	AN6-41A	BOLT
37			6	MS21042L6	NUT (OR MS21042-6)
38			18	AN960JD616	WASHER
39			2	* D3189-1	CHAFING SHIELD
45	2			* D3659-1	CUFF
46		2	2	* D3660-1	CUFF
47	44	44		* CR3212-4-06	RIVET (M7885/3-4-06)
48			44	* CR3212-4-07	RIVET (M7885/3-4-07)
50	1	1		D3428-1	PLACARD

*REFERENCE ONLY. PARTS ARE INCLUDED IN D212-664-147/-247 OR D412-664-249 ASSEMBLIES ABOVE

NOTE: KITS INCLUDE EXTRA HARDWARE FOR COMPATIBILITY WITH BOTH DART AND BELL/AA SKIDTUBES.